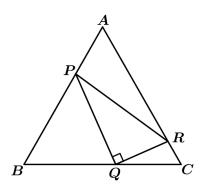


 $PQ=2\sqrt{3}, QR=2, \angle PQR=\frac{\pi}{2}$



B∏6

$$C \square \frac{4\sqrt{21}}{3}$$

8√6 O∏ 3

 $A \square a > b > c$

 $B \sqcap a > c > b$

 $C \square b > c > a$

 $D \sqcap b > a > c$

V	0	40	60	80	120
Q	0.000	6.667	8.125	10.000	20.000

 $Q = av^2 + bv + c \qquad Q = av^2 + bv^2 + cv \qquad Q = 0.5^v + a \qquad 0.00$

 $A \square \square$

 $B \square \square$

 $C \square \square$

 $D \square \square$



$$f(\overrightarrow{x} < 2x + 1 \underset{\square}{\square} f(2-a) \leq f(-a) - 4a + 6 \underset{\square}{\square} \underset{\square}{\square} a_{\square} = 0$$

 $A \square_1$

 B_{-1}

 $C \square \frac{1}{2}$

 $D \square - \frac{1}{2}$

 $3^{a+c}+3^{b+c}$

 $A \square \square 6 \square 16 \square$

 $B \sqcap 18 \sqcap$

C□□8□16□

 $D \square 18 \square 18 \square$

$$\begin{vmatrix} a_n \end{vmatrix}_{000} a_1 = 10 \ a_2 = 10 \ a_{n+2} = a_{n+1} + a_{n+2} = a_3 + a_5 + a_7 + a_9 + a_{11} + a_{13} = a_k - a_{200} a_{k000} = 0$$

A∏15

B_□14

$$f(x) = 3^{x-2000} - \lambda g(x-2020) - 2\lambda^2 \cos^2 \lambda \cos$$

 $A \square_{-1} \square_{\frac{1}{2}}$ $B \square 1 \square^{-\frac{1}{2}}$ $C \square_{-1} \square 2$ $D \square_{-2} \square 1$

8002021 · 0000 · 000000 $a = \log_3 20 b = \log_5 30 C = \frac{3}{5}$

 $A \cap a < c < b$

A□^(-∞,1)

 $\mathbf{B}_{\square}\left[\frac{1}{2},1\right] \qquad \qquad \mathbf{C}_{\square}\left[1,\frac{5}{4}\right] \qquad \qquad \mathbf{D}_{\square}\left[1,\frac{5}{4}\right]$



$$f(x) = \frac{3^{x+1} - 1}{3^x + 1} = 0$$

$$C_{\square}^{f(2020)}$$
 $D_{\square}^{f(2021)}$

$$D\Pi^{f(2021)}$$

00000 $A_{00}^{(F_1F_2 + F_1A) \cdot F_2A = 0}$

$$A \square y = \pm x$$

$$\mathbf{B} \square y = \pm \sqrt{2}x$$

B\[\text{}]
$$y = \pm \sqrt{2}x$$

C\[\text{}] $y = \pm \frac{\sqrt{7}}{2}x$

D\[\text{}] $y = \pm \sqrt{3}x$

$$D \sqcap y = \pm \sqrt{3}x$$

$$A \square C < b < a$$

$$C \square a < c < b$$

$$C \square a < c < b$$
 $D \square c < a < b$

$$\mathbf{A} \square \frac{1}{6}$$

$$\mathbf{B} \square \frac{1}{2} \qquad \qquad \mathbf{C} \square \frac{1}{3} \qquad \qquad \mathbf{D} \square \frac{2}{3}$$

$$C \square \frac{1}{3}$$

$$\mathbf{D} \square \frac{2}{3}$$

A∏60

B∏63

D□69

 $f(x) = \begin{cases} x \ln x + a, x > 0 \\ x + 2, x \le 0 & \text{on } f(x_1) = f(x_2) + x_2 = 0 \end{cases}$

A∏-1

B□1

 $C \square 0$



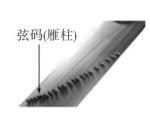


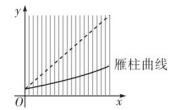
$$A \sqcap \frac{\sqrt{2}}{3}$$

$$\mathbf{B} \square \frac{\sqrt{2}}{2}$$

$$C \square \frac{\sqrt{3}}{2}$$

$$D \square \frac{\sqrt{3}}{3}$$





A□814

B□900

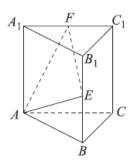
C□914

D∏1000

 $P \square ABC \square \square \square \square \square \square$

$$C \square \frac{5\sqrt{3}}{3}$$

 AC



$$\mathbf{B}\square^{BC_1//\alpha}$$





$$\mathsf{Coo}^{\mathcal{A}} \, \mathsf{D}^{BC_1} \mathsf{D}^{M} \mathsf{DO}^{EM = \sqrt{13}}$$

Do
$$^{\alpha}$$
 and $^{ABC-}$ ABC and $^{ABC-}$ 13:5

 $\begin{picture}(1,0) \put(0,0) \put(0,0$

000"0000"000

$$\mathbf{A}_{\square} f(x) = \log_2 x(x > 0)$$

$$\mathbf{B} \Box f(x) = 2e^{x} + x$$

$$C \prod f(x) = -x^3 + 2x(x < 0)$$

$$\mathbf{D} = \sin x - x^2 (0 < x < \pi)$$

$$\mathbf{A} \Box a = 4$$

$$B \square^{\tan B = 3\sqrt{3}}$$

$$C_{3\sin A = \sqrt{7}\sin B}$$

$$\operatorname{D_{\square}}_{BC} \operatorname{DODOOO} \frac{\sqrt{19}}{2}$$

 $h(x) = 2e \ln x$

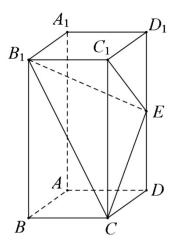
$$\mathbf{A} \square F(x) = f(x) - g(x) \square \left(-\frac{1}{\sqrt[3]{2}}, 0 \right) \square \square \square \square$$

 $\mathbf{B}_{\square} \overset{f(\mathbf{X})}{=} \underline{g^{(\mathbf{X})}}_{\square\square\square\square\square} \overset{g(\mathbf{X})}{=} \underline{\square}_{\square\square\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square} \overset{b}{=} \underline{\square}_{\square\square\square} \overset{b}{=} \underline{\square}_{\square\square} \overset{b}{=} \underline{\square}_{\square\square} \overset{b}{=} \underline{\square}_{\square\square} \overset{b}{=} \underline{\square}_{\square\square} \overset{b}{=} \underline{\square}_{\square\square} \overset{b}{=} \underline{\square}_{\square\square} \overset{b}{=} \underline{\square}_{\square} \overset{b}{=} \underline{\square}_{\square}$

 $\mathsf{CD}^{\ f(\ x)} \, \mathsf{D}^{\ g(\ x)} \, \mathsf{DDDD}" \mathsf{DDDD}" \mathsf{DDDDD}^{\ [-4,0]}$



DD
$$f(x)$$
 $f(x)$ DDDDDDD" $y=2\sqrt{ex}$ e



ADDDD
$$C_1 - RCEDDDD \frac{8}{3}$$

$$\mathsf{B}\square^{BE\perp AB}$$

$$\mathsf{Coood}^{B_{\mathsf{I}}\text{-}C_{\mathsf{I}}CE}_{\mathsf{OOOOOOO}}^{S_{\mathsf{I}}}$$

$$A \square f(1) = e \square f(2) > e^{\frac{3}{2}}$$

$$\mathbf{B} \square f(2) < (3)$$

$$C_{\Pi}^{3} = (4)$$

 $= X_0 = X$

$$\mathbf{A} \Box f(\mathbf{X}) = 2^{\mathbf{X}} + \mathbf{X}$$

$$B \square g(x) = x^2 - x - 3$$

$$\mathbf{C} \square f(\mathbf{X}) = \mathbf{X}^{\frac{1}{2}} + 1$$

$$\mathbf{D} \square f(\mathbf{X}) = |\log_2 \mathbf{X}| - 1$$



$$\exists x \in R, x.[x]+1$$

$$\exists x, y \in R[x] + [y] > [x + y]$$

$$C_{\square\square\square} \stackrel{\mathcal{Y}=X^{\perp}}{=} [X](X \in R)$$

$$\mathbf{D} = \exists t \in R_{\square \square \square} \left[t^{i} \right] = 1, \left[t^{i} \right] = 2, \left[t^{i} \right] = 3, \mathsf{L} \ , \left[t^{n} \right] = n - 2 \\ = 2, \mathsf{L} = 1, \mathsf{L}$$

$$A_{\square\square\square} P_{\square\square} AP = \lambda AB + \mu AC_{\square\square} \lambda + \mu = 1_{\square\square\square} P_{\square\square\square} BC_{\square}$$

$$\operatorname{Bodd} P \operatorname{do} AP = \frac{1}{2} (AB + AC) \operatorname{do} PC \cdot PD = 1$$

$$\mathsf{Coo}^{\mathit{PB+}\,3\mathit{PC+}\,2\mathit{PA}=\,0}\mathsf{ood}\,\mathit{Po}^{\triangle\!4\mathit{BC}}\mathsf{oodoo}$$

$$A_{\Box\Box} m + n = 0_{\Box} f(m) + f(n) = 0_{\Box\Box} c = 0$$

$$\mathbf{B} = \mathbf{f}(x) = 0$$

$$C_{000} y = kx - 5_{000} f(x) = x|x| + bx + c_{0000} A(2,1) bc = 1$$

$$D_{00} c = 2_{0000} g(\vec{x}) + g(-\vec{x}) = 4_{000} y = f(\vec{x})_{000000} (\vec{x}_1, \vec{y}_1), (\vec{x}_2, \vec{y}_2), \dots, (\vec{x}_m, \vec{y}_m)_{00} \sum_{i=1}^m y_i = 2m$$

$$\mathbf{A}_{\square} \overset{f(\ X)}{=}_{\square\square\square\square}$$





$$\mathsf{Coo}^{f(x)}\mathsf{dood}^\mathbf{R}\mathsf{do}^{a\geq 1}$$

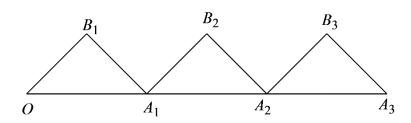
$$\mathop{\rm Don}\nolimits a \leq 1_{\tiny \tiny \square\square\square} f(x) + f(3x+4) > 0_{\tiny \tiny \square\square} x \in (-1,+\infty)$$

$$B_{00} f_{0} x_{00} [002\pi]_{0000} 4_{00000} f_{0} x_{00} \left(0, \frac{2\tau}{15}\right)_{00000}$$

$$C_{00} f_{0x_{00}[0_{0}2\pi]_{0000}} 4_{00000} \omega_{0000} \left[\frac{15}{8}, \frac{19}{8}\right]$$

$$D_{00} f_{0} x_{00000} = \frac{\pi}{4} \frac{\pi}{400000} \left(\frac{\pi}{18}, \frac{5\pi}{36} \right)_{0000} \omega_{00000} 11$$

$$I_2 = OB_2 \cdot OP_2 \underset{\square}{=} I_3 = OB_3 \cdot OP_1 \underset{\square}{=} \square$$



$$\mathbf{A}_{\square}^{I_1} = 6$$

$$B \square I_3 \ge I_1$$

$$\mathbf{C}_{\square}^{I_{3} \leq I_{2}}$$

$$D_{\square}^{5 \le I_2 \le 6}$$



$$\mathbf{A}_{\square} a_n + a_{n+1} \ge \ln 2$$

$$B_{\square}^{S_{2020}} < 666$$

$$\mathbf{C} = \ln \frac{3}{2} \le a_n \le \ln 2(n \ge 2)$$

33002021·00·00000000 a_n 00 n 000 a_n

$$\mathbf{A}_{\square\square} S_n = (n+1)^2 _{\square\square} |a_n| _{\square\square\square\square\square}$$

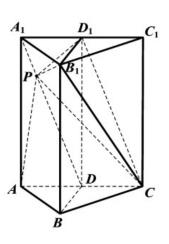
$$\mathbf{B}_{\square \square} \stackrel{S_n = 2^n - 1}{\square \square} \stackrel{a_n}{|}_{\square \square \square \square \square}$$

$$C_{00} | a_n | = 0$$

$$\mathbf{D}_{\square\square} \stackrel{a_n}{=} _{\square\square\square\square\square\square\square} \stackrel{S_n}{=} _{\square} \stackrel{S_{2n}}{=} \stackrel{S_{2n}}{=} \stackrel{S_{2n}}{=} _{\square\square\square\square\square\square}$$

$$\mathbf{A} \square \square \square^I \square \square \square^{(4,0)}$$

$$\mathbf{B} \square ^{C} \square ^{X} \square \square \square \square \square \square ^{2\sqrt{2}}$$





$$\mathsf{B} \square \square \square \overset{P-}{\overset{R}{\subset}} \overset{R}{\subset} \square \square \square \square \square \square$$

$$\mathbf{C}_{\Box\Box\Box} \, \underline{RC}_{\Box\Box\Box} \, \underline{CC_1D}_{\Box\Box\Box\Box\Box\Box\Box\Box\Box} \, \frac{3\sqrt{10}}{10}$$

DDDDD
ABC
- ABC - DDDDDD

 $A \square \square \{a_n\} \square \square \square \square \square \square \square \square \square \{a_n\} \square 9 \square \square 18$

BDD $\{a_n\}$ DDDDDDDD $\{a_n\}$ DDDD $2^{\sqrt{4-a}}$

 $\mathsf{C} \hspace{-.00cm} \square \{a_n\} \hspace{-.00cm} \square \square \square \square \{a_n\} \hspace{-.00cm} \square \square \square q \square a \square 1 \square \square q^4 \square 14 q^2 \square 1 \square 0$

 $D \square \{a_n\} \square \square \square \square \square \square a_3 \square a_7 \square \square \square \square \square 2^{\sqrt{d}}$

 C_0

ППППП

$$38 - 2021 \cdot - 1000 \cdot - 100000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 100000 - 100000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10000 - 10$$

$$X \in \mathbf{R}_{000} f(X) \ge f(X_0)_{0000} a_{000000}$$
.

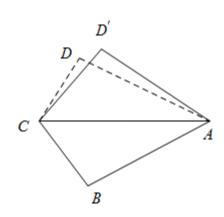


$$f(x) = \begin{cases} \cos\frac{\pi x}{2}, 0 < x \le 2, \\ \left| x + \frac{1}{2} \right|, -2 < x \le 0. \end{cases} \qquad \boxed{f(x) - k = 0 \quad (-2020, 2020)}$$

000 *k*000000_____.

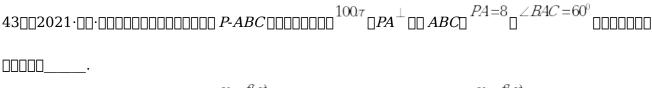
 $\triangle \ DAC_{\square\square\square}\triangle \ DAC_{\square\square} \ AC \cdot BD = \underline{\qquad \qquad} \square\square\square\square \ DAC_{\square\square} \ ABC_{\square\square\square\square\square\square} \ AC \square \ BD \square\square\square\square\square\square\square$

<u>___</u>.









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$$f(x) = \begin{cases} x + a - 4, x \ge 1, \\ x + a + 2, x < 1, \end{cases} g(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) = \left| \log_2\left(x + \frac{1}{x}\right) - 2 \right|_{0 \ge 0} y = f(x) =$$

000 *a*000000____0

$$\begin{bmatrix} \frac{1}{e}, e \\ 0 \end{bmatrix}$$
 00"0000"0000 k 000000

$$X_2 X_3 X_4 < X_2 < X_3 X_5 f(X_1) + f(X_2) + 2f(X_3) X_5 = 0$$

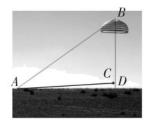
$$g\left(\frac{1}{2022}\right) + g\left(\frac{2}{2022}\right) + L + g\left(\frac{2021}{2022}\right) = \underline{\hspace{1cm}}$$



 $50002021 \cdot 00 \cdot 000000 \triangle 4BC 000 A 0_B 0_C 0000000 a 0_b 0_C 00^{A-C} = \frac{\pi}{2} 0_{a} 0_b 0_C 00000 \cos B 000000$

____·

$$B\left(4-\frac{3}{2}\sqrt{3},3+2\sqrt{3}\right)_{000}$$
 B_{00} $A_{000000000}$ $\frac{\pi}{3}_{0000}$ P_{000} P_{0000} .







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